



**Gujarat Cooperative Milk Marketing Federation Ltd, Anand
Amulfed Dairy (Previously known as AmulFed Dairy)**

Plot No. 35, Nr. Indira Bridge,
Ahmedabad-Gandhinagar Highway
Village: Bhat, Dist: Gandhinagar
Gujarat, India-382428

Request for Bid (RFB) for **“Fabrication work at Buttermilk plant”** as per the scope of work described in Annexure-A

AFD: PUR: ENQ: 2024: 891





AMULFED DAIRY

(A Unit of Gujarat Co-operative Milk Marketing Limited)
Plot No. 35, Near Indira Bridge, Ahmedabad-Gandhinagar Highway
Village - Bhat, Dist - Gandhinagar - 382428
Phone: +91-79-3969055/56 Fax: +91-79-3969059

We invite sealed bids from eligible bidders for the following works: “**Fabrication work at Buttermilk plant**” as per the scope of work described in Annexure-A

Bid Reference	AFD: PUR: ENQ: 2024: 891
Bid Start	Starts from 12/12/2024
Bid Submission	Technical Submission up to 18/12/2024 before 6:00 PM
Last Date for Bid Submission	20/12/2024 before 4:00 PM
Completion period	1 months

Eligibility Criteria

- 1) The vendor must have executed similar nature of work within last three year (Require credentials for the same).

Technical Specification : As per the Annexure-A

Procedure to participate in the above inquiry:

- 1) All the interested bidders must participate in the inquiry through our purchase portal by registering your firm as a new vendor (if your firm already has registration in our PP, then you have to login to your account and request AFD to send RFQ).
- 2) Interested bidders have to register your firm in our Purchase portal.
 - a. Website for our portal is as >>>: <http://afdpurchase.amul.in/>
- 3) Offers through mail/hardcopy are not accepted and stand for rejection, your competitive bids should be submitted through our online portal only.
- 4) Detail technical specification as per Annexure-A for your reference.
- 5) Interested bidders must submit their technical specification/detail first, only after technical evaluation/approval, bidders will be invited for submission of commercial bid.

General Terms & Conditions

1. The price should be quoted with all details.
2. Specify your tax condition- Non indication of the above levies will mean that prices are inclusive of all taxes and above levies.
3. The realistic and earliest completion period should be indicated in the offer.
4. It will not be binding on us to accept the lowest offer.
5. The right to accept/reject any/all offers without assigning reason is reserved by us.
6. Offers which are incomplete or do not meet the conditions are liable for rejection.
7. We are an ISO 9001: 2015, ISO 14001:2015, ISO 22000:2018, ISO 50001:2018 and ISO 45001:2018 company; we follow sustainable eco-friendly processes in our organization and

expect the same to be followed at your end. We emphasis on energy efficient system and utilization of renewable energy systems in eco-friendly and sustainable way.

8. Please visit premises with prior confirmation before the quote. Please arrange a visit between 2:00 P.M. to 5:00 P.M. on the working day.
9. We may go for reverse auction/negotiation.

Payment term:-

Payment for Fabrication work contracts must be strictly as below:

- 85% payment would be made on a JMS basis within 30 days from the date of Invoicing (Invoicing would be raised on a fortnight basis)
- 15% balance payment within 30 days of satisfactory commissioning of plant

Rights Reserved by AmulFed Dairy (A unit of GCMMF Ltd).

AmulFed Dairy (A unit of GCMMF Ltd), at its sole discretion and without assigning any reason thereof, reserves the right to accept and / or reject the whole or part of any or all the bids received.

Validity:

The offer should be valid for 120 days from the date of Bid opening.

Contact details: For any techno-commercial query you may contact Yogendra Sodha (7046036777), or (E-mail- yogendra.sodha@amul.coop, bharat.naik@amul.coop) of Purchase department.

Scope of work for Fabrication, Modification, alteration

PART A- IDMC CIP kitchen revival project

Scope of work

- Dismantling, cutting, removal of complete pipelines and valves, headers of existing CIP plant as per AFD requirement
- Dismantling, cutting, removal, shifting of all existing SS, MS, GI pipelines of various size including clamp and to shift it at particular place as per requirement of Amulfed Dairy
- Installation and fabrication of complete new CIP plant including all equipment (Valves, pumps, PHE, THE, pipelines, supports, structure etc) as per PID and as per AFD guideline
- Installation and fabrication of all SS, MS, GI pipelines of various size, supports, structure as per PID and as per AFD guideline
- Fabrication of all supports and anchor fastening of SS/ GI/ MS etc shall be in fabricator's scope
- All modification work if required shall be in fabricators scope
- All loading, unloading, shifting, movement of all equipment shall be in supplier's scope
- Alignment and leveling of all equipment and pipeline shall be in fabricator's scope.
- New pipelines and equipment shall install in place of existing
- All welding, cutting, buffing, purging work shall be in fabricators scope
- Welding shall be as per standard practice with gas purging
- Fabrication team shall require at the time of water trails, commissioning stage and product trials. To attend leakage and any modification during commissioning and trials shall be in fabricator's scope
- Each team shall consists of welder, fitter, helper, rigger is required
- Project completion time shall be 1 month and it is to be ensure by fabricator by deploying more teams if required
- No. of teams to be deploy shall be Fabricator's responsibility. But time line shall be 1 month only.
- Fabricator can visit Amulfed Dairy site for any clarification
- Vendors to consider CIP forward lines up to RTF/B milk processing building & CIP return lines from RTF/ B milk processing building.
- Alteration in CIP tanks for instrument mounting as per P&ID and AFD guideline shall be in fabricator's scope
- Collection, segregation and shifting of waste material/ scrap up to decided place at AFD shall be in fabricators scope
- All the machinery (like welding m/c., Drill m/c, Hammer Drill m/c, Grinding m/c, cutting set & m/c, chain block), Tools, Tackles, Consumables (like Advani welding rod, oxy-acetylene / argon & all gas, welding & supply cable) required for fabrication & erection shall be in fabricator's scope
- Insurance of your workers/Supervisor/employee will be in your scope.
- AFD strictly prohibit use of Tobacco in any form. Such acts will be strictly penalized @ Rs. 5000/- per act along with to permanent no entry to the driver, cleaner or any of your workers identified
- All AFD safety norms, Government rules and regulations should be followed by fabrication team

PART B- Butter Milk Processing Capacity Expansion project

Scope of work

- Installation and fabrication of complete B milk expansion plant including all equipment (Valves, pumps, PHE, THE, pipelines, supports, structure etc.) as per PID and as per AFD guideline
- Installation and fabrication of all SS, MS, GI pipelines of various size, supports, structure as per PID and as per AFD guideline
- Fabrication of all supports and anchor fastening of SS/ GI/ MS etc. shall be in fabricator's scope
- All modification work if required shall be in fabricators scope
- All loading, unloading, shifting, movement of all equipment shall be in supplier's scope
- Alignment and leveling of all equipment and pipeline shall be in fabricator's scope.
- New pipelines and equipment shall install in place of existing
- All welding, cutting, buffing, purging work shall be in fabricators scope
- Welding shall be as per standard practice with gas purging
- Fabrication team shall require at the time of water trails, commissioning stage and product trials. To attend leakage and any modification during commissioning and trials shall be in fabricator's scope
- Each team shall consists of welder, fitter, helper, rigger is required
- Project completion time shall be 1 month and it is to be ensure by fabricator by deploying more teams if required
- No. of teams to be deploy shall be Fabricator's responsibility. But time line shall be 1 month only.
- Fabricator can visit Amulfd Dairy site for any clarification
- Vendors to consider CIP forward lines up to RTF/B milk processing building & CIP return lines from RTF/ B milk processing building.
- Collection, segregation and shifting of waste material/ scrap up to decided place at AFD shall be in fabricators scope
- All the machinery (like welding m/c., Drill m/c, Hammer Drill m/c, grinding m/c, cutting set & m/c, chain block), Tools, Tackles, Consumables (like Advani welding rod, oxy-acetylene / argon & all gas, welding & supply cable) required for fabrication & erection shall be in fabricator's scope
- Insurance of your workers/Supervisor/employee will be in your scope.
- AFD strictly prohibit use of Tobacco in any form. Such acts will be strictly penalized @ Rs. 5000/- per act along with to permanent no entry to the driver, cleaner or any of your workers identified
- All AFD safety norms, Government rules and regulations should be follow by fabrication team

FABRICATION GUIDELINES

1. Fabrication work shall be carried out by skilled fitters/welders. Only approved welders shall be employed.
2. All the sharp corners and edges shall be removed, chamfered and smoothed.
3. Welding electrodes shall be of ADVANI / ESAB/ make. Welding rods shall be pre-heated in the oven / heating jackets to maintain the temperature as per manufactures' standards. Please get AFDG approval for make of welding filler wire to be used.
4. Welding rectifier, Plasma cutting, Gas cutting, Gas torch etc must be in excellent condition.
5. Mechanical handling facilities preferably shall be used during lifting / assembly of the components to the extent possible.
6. Please arrange required jigs and fixture, wherever applicable.
7. Please maintain straightness of all parts after fabrication.
8. Please maintain the thickness of weld deposit.
9. The welding shall be smooth in horizontal and vertical run and shall not spoil the parent materials.
10. All precautions shall be taken to avoid deformation / buckling / twist during fabrication or welding.
11. Grinder shall not be used on welded surface except for surface of mating parts.
12. Please carry out the modification / rectification as per the instruction of engineer in charge.
13. Good engineering practice and Good Manufacturing Practice should be followed to have high quality workmanship
14. All works shall be carried out as per the instruction of the Engine-in-Charge

SAFETY GUIDELINES/REQUIREMENTS FOR ARC FABRICATION CONTRACTORS

GENERAL REQUIREMENT: -

1. Contractor must submit Medical Fitness certificates for all the workers after award of contract and before commencement of any work.
2. Contractor has to depute qualified supervisor at site who has knowledge of safety and precautions of fabrication work.
3. Contractor supervisor/in-charge must brief these safety guidelines-requirements and other work related safety precautions to all their workers at least once in week

And record of the same is maintained and submitted monthly to Safety Officer AFD.

4. Contractor has to brief and made aware all their workers that they understand the importance of House Keeping and always maintain good housekeeping while work and after work.
5. For any critical work contractor has to plan properly with AFD in-charge and Safety Officer-AFD before work.
6. Contractor has to take advice of Safety Officer-AFD for any confusion / threat regarding safety of the workers and plant.
7. For any controversy or immediate threat to safety of person and plant the decision of Safety Officer - AFD is final.

PPES:-

1. Contractor has to ensure sufficient quantity of following PPEs provided for their workers all the time at workplace and made arrangement for it's upkeepment with effect from first day of contract.
 - a. Safety Shoes (Make KARAM / UDYOGI)
 - b. Safety Helmet (Make KARAM / UDYOGI)

- c. Cut Resistance Hand Gloves (Make KARAM / UDYOGI)
- d. Cotton Hand Gloves (Make KARAM / UDYOGI)
- e. Welding Gloves (Make KARAM / UDYOGI)
- f. Safety Goggles (Make KARAM / UDYOGI)
- g. Face Shield (Make KARAM / UDYOGI)
- h. Welding Helmet (Make KARAM / UDYOGI)
- i. Safety Belt - Full Body, Double Lanyard, Scaffold Latch Hook (Make KARAM / UDYOGI)
- j. Welding blanket

Contractor has to ensure use of all the required PPEs at work.

EQUIPMENTS: -

All the following mentioned equipments must be ISI marked and tested / calibrated by Third Party and contractor has to submit testing / calibration certificate before commencement of work.

1. Welding Machine:-

- a. All the welding machine are in good condition having no defects
- b. Having identification and testing labels on it
- c. Having given body earthing and always connected with ELCB
- d. Having intact supply cable with top plug and no joints allowed
- e. Positive & Earthing electrodes are in good condition and always connected with lugs
- f. Arc Holder is of good condition and no defect in it
- g. Earthing electrode provided with crocodile pin

2. Hand Grinder:-

- a. Grinding m/c must be in good condition having no defects
- b. Having identification and testing labels on it
- c. Guard must be there always on the grinding wheel
- d. Body earthing if metal body
- e. Having given body earthing and always connected with ELCB
- f. Having intact supply cable with top plug and no joints allowed

3. Rod-Pipe cutter m/c:-

- a. Rod-Pipe cutter must be in good condition having no defects
- b. Having identification and testing labels on it
- c. Guard must be there always on the cutting wheel
- d. Having given body earthing and always connected with ELCB
- e. Having intact supply cable with top plug and no joints allowed

4. Hand Drill and other portable tools: -

- a. Hand Drill and other portable tools must be in good condition having no defects
- b. Having identification and testing labels on it
- c. Guard/lock must be there always on the machine
- d. Body earthing if metal body
- e. Having given body earthing and always connected with ELCB
- f. Having intact supply cable with top plug and no joints allowed

5. Gas Cutting Set:-

- a. Cutting set only have oxygen - Industrial LPG cylinder is allowed
- b. All the cylinders kept with contractors must be kept at designated location and location is marked and kept away from direct sunlight and any source of heat
- c. All the cylinders must be kept in vertical position with tying chain
- d. All the cylinders must have safety cap on it
- e. Proper and separate trolley for each cylinder and for the easy transport of the cylinders
- f. All the cutting set must be identified
- g. ISI marked hose pipes and no joints in it

- h. Cutting torch is in good condition (MESSER /ESSAB make)
- i. Having flash back arrestors (MESSER /ESSAB make) on torch and cylinder sides on both the hoses
- j. Double Stage Pressure regulators having pressure gauge on it on each cylinder (MESSER /ESSAB make)

6. Extension Board:-

- a. Required Number(at least 3) of Portable Extension provided by contractor
- b. All the extension board have proper fiber cover
- c. All the extension must have 1 female plug of industrial type 3-phase, 1 female plug of industrial type 1-phase, 1 female plug of three-pin
- d. Extension boards having provision of earthing wire
- e. Extension board must have ELCB on it
- f. Having intact supply cable with top plug and no joints allowed

7. Portable-Extension Ladder:-

- a. Only Certified ladder is to be procured and certificate to be shown by contractors
- b. MOC:- Aluminum
- c. With antiskid steps/rungs
- d. Single width
- e. Extension slot having proper rope and hooks for resting / sliding

8. Scaffolding:-

- a. Scaffolding is required whenever there is a requirement of work at height at above 4 meter height where there is no platform railing and proper approach to work
- b. It is to be kept / arrange by AFD
- f. Scaffolding must be erected at equal level on floor

9. Life-Lines Ropes :-

- a. Minimum 1 nos is must
- b. It is the rope for anchorage of safety belt
- c. Make:- KARAM / UDYOGI
- d. Fray-Proof, dope-dyed polyester webbing
- e. Length- 20 mtr, Strength - 15 kN
- f. Equipped with ratchet tensioner for quick and easy tensioning of the life line between two supports
- g. Built in shock absorber in it

10. Lifting Equipments, Tools & Tackles (Chain Pulley Block / Hoist / Wire Rope Sling / Lifting Belt / Lifting Chain/ Winch Machine / Hydra / Crane etc.):-

- a. Testing Certificate is must in Form No. 10 by Competent Person for all the lifting Equipments, Tools & Tackles used at AFD by contractor.
- b. The equipment must be in good conditions without any defect and with all the required accessories

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SAFETY GUIDELINES FOR WORK: -

1. Hot Work (Welding, Cutting, Grinding etc.) & Other Maintenance Work: -

- a. Use of Safety Shoes, Safety Helmet, Cotton hand gloves, Goggles is must for all the workers at work
- b. Use of Welding Helmet, Welding Gloves and Welding Blanket is must while welding work
- c. Use of Cut resistance hand gloves and face shield is must while grinding and cutting
- d. Use of Cut resistance hand gloves, face shield and welding blanket is must while Gas Cutting

- e. Ensure proper electrical, mechanical and pneumatic isolation and purging of the equipment/pipe line/ if working on any running plant/process or inside any department
- f. If required apply dummy on incoming & out going lines
- g. Take Work Permit from concern AFD in-charge when working on any running plant/process or inside any department
- h. Remove all the flammable material from the area and barricade the area properly
- i. Use Fire blankets or made arrangement such that the spark fall in safe zone.
- j. Ensure availability of Fire Extinguisher / Water nearby
- k. Make proper housekeeping after work and never kept any flame unattended.
- l. If the area is congested and having flammable material check the nearby area after work
- m. For hot work on gas & oil line ensure gas/LEL level is checked by AFD in-charge and it is not exceeded
- n. No loose connection and joints are allowed in cables (All the cables connected with plug top)
- o. Never perform ant hot work near painting work
- p. Never perform any hot work nearer to any gas line or oil line
- q. Never perform any hot work inside any tanks, drainage etc. confined place

2. Height Work (Above 2 meter of Height):-

- a. Use of Safety Shoes, Safety Helmet, Cotton hand gloves, Goggles and Safety Belt is must for all the workers working at height
- b. Ensure that there must be proper platform and approach to work at height with hand railing and ladder at height
- c. If there is no platform then must use scaffold which is made as per IS 3696 standard to approach height
 - a. Scaffold must have made with Base Plate, upright, putlog, diagonal braces, handrail, jhali-khapeda for platform
 - b. All the persons are going to work at height are advised to make proper scaffold as describe above
- d. Portable aluminum ladders must be used for climbing height of scaffold / platform and it is to be fixed on scaffold
- e. Ladders are used only for ascending-descending height not for any work at height.
- f. When ladder is used for ascending-descending height it must be fixed with firm structure or hold properly at base
- g. Use of Safety Belt is must while working at height above 2 meter
- h. Use Life lines for anchoring of Safety Belt where no other means is required
- i. Use intact rope for shifting tools and equipments at height
- j. Do not carry anything while climbing the ladder
- k. Cordon the below area

3. Material Lifting/Shifting Activity: -

- a. Use of Safety Shoes, Safety Helmet, Cut Resistance Hand Gloves, Goggles must for all the workers involved in Material Lifting / Shifting Activity working at height
- b. Lifting equipment (Crane, Hydra, Chain Pulley, Man-lift) must be in good condition, no leakages and defects should be there. Provided with latch lock in hook
- c. Submit a copy of Form No. 10 and Valid operator license (if required) to AFD in-charge
- d. Submit a weekly crane maintenance report and everyday inspection report to AFD in-charge in case of crane / hydra
- e. Lifting tackles i.e. wire rope Sling must be with cladding, Belts, D-shackles must be intact and no defects in it, Submit Form No. 10 for it
- f. Equipment must be selected based on load capacity considering material to be lifted shifted
- g. Lifted material must be tied with 3 meter or more length rope for guiding it
- h. Cordon the surrounding area
- i. Never left suspended load unattended

PENALTY: -

- a. For Not following General Requirements, Penalty of Rs. 1000 for each violation / per day / every time will be imposed
- b. For not using required PPEs at work, Penalty of Rs. 1000 for each violation will be imposed
- c. For using PPEs other than specified make/standard/description, Penalty of Rs. 1000 per day will be imposed
- d. For not using required equipments, Penalty of Rs. 2000 for each violation will be imposed
- e. For using equipments other than specified make/standard/description, Penalty of Rs. 2000 for each violation will be imposed
- f. PPEs Rs. 1000 for each violation
- g. For not following any Safety Guidelines while work for relevant work, Penalty of Rs. 2000 will be imposed

Health Policy

Contractor has to provide medical fitness certificates of all workers.

Rate Sheet: -

Sr. No.	Activities	Unit	Rate (Rs./UOM)
1	Fabrication, Installation & Testing of Product (SS 304/316/304L/316L) Piping & fittings (All types of fittings)- As per attached P&ID (Including unloading, shifting, Positioning, Fabrication, testing & Commissioning)	Inch Meter	
2	Fabrication, Installation & Testing of Utility (MS/GI) Piping and fittings (All types of fittings)- As per attached P&ID (Including unloading, shifting, Positioning, Fabrication, testing & Commissioning)	Inch Meter	
3	Fabrication, Installation & Testing of Pneumatic Valves/Valve cluster (No. of Valves) (Including unloading, shifting, Positioning, Fabrication, testing & Commissioning)	Nos.	
4	Fabrication, Installation & Testing of Pumps (Including unloading, shifting, Positioning, Fabrication, testing & Commissioning)	Nos.	
5	Installation, Positioning & Alignment of project equipments as per P&ID	Kg	
6	Structural (SS) Fabrication & Installation work	Kg	
7	Structural (MS/GI) Fabrication & Installation work	Kg	
8	Dismantling work (pipe/structural)	Kg	

*Above rates are excluding applicable taxes & duties